**C# Hands on -- Programming**

1. **How to count the occurrence of each character in a string?**

The user will input a string and we need to find the count of each character of the string and display it on console. We won’t be counting space character.

**input**: hello world;

output:

h – 1

e – 1

l – 3

o – 2

w – 1

r – 1

d – 1

### How to reverse a string?

The user will input a string and the method should return the reverse of that string

* **input**: hello, output: olleh
* **input**: hello world, output: dlrow olleh

### How to reverse the order of words in a given string?

The user will input a sentence and we need to reverse the sequence of words in the sentence.

* **input**: Welcome to Csharp corner
* **output**: corner Csharp to Welcome

### How to reverse each word in a given string?

The user will input a sentence and we need to reverse each word individually without changing its position in the sentence.

* **input**: Welcome to Csharp corner,
* **output**: emocleW ot prahsC renroc

### How to find all possible substring of a given string?

his is a very frequent interview question. Here we need to form all the possible substrings from input string, varying from length 1 to the input string length. The output will include the input string also.

* **input**: abcd ,
* **output** : a ab abc abcd b bc bcd c cd d

### How to find second largest integer in an array using only one loop?

The user will input an unsorted integer array and the method should find the second largest integer in the array.

* **input**: 3 2 1 5 4,
* **output**: 4